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OK protein - protein search, using sv model

Run on: August 28, 2002, 12:57:09 ; Search time 12.99 seconds
(without alignments)
69.573 Million cell updates/sec

Title: US-09-900-147-1
Perfect score: 186
Sequence: 1 KNIRRRVTDALVLMANNISSEKKEIKWIGLPTNSA 37

Scoring Table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 231628 seqs, 24425594 residues
Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA.*
1: /cgn2.6/ptodata/2/1aa/5A.COMB.pap.*
2: /cgn2.6/ptodata/2/1aa/5B.COMB.pap.*
3: /cgn2.6/ptodata/2/1aa/6A.COMB.pap.*
4: /cgn2.6/ptodata/2/1aa/6B.COMB.pap.*
5: /cgn2.6/ptodata/2/1aa/PCTUS.COMB.pap.*
6: /cgn2.6/ptodata/2/1aa/Docfiles1.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	186	100.0	37	4	US-09-308-935-1
2	186	100.0	72	2	US-08-428-131-11
3	186	100.0	72	4	US-09-078-596-11
4	186	100.0	410	2	US-08-723-415B-10
5	186	100.0	410	2	US-08-723-415B-11
6	186	100.0	410	2	US-08-428-131-2
7	186	100.0	410	2	US-08-602-846-2
8	186	100.0	410	4	US-09-078-596-2
9	186	100.0	410	4	US-09-189-627A-10
10	186	100.0	410	4	US-09-189-627A-11
11	182	97.8	369	2	US-08-723-415B-4
12	182	97.8	369	4	US-09-189-627A-4
13	182	97.8	370	2	US-08-723-415B-6
14	182	97.8	370	4	US-09-189-627A-6
15	182	97.8	385	2	US-08-723-415B-8
16	182	97.8	385	4	US-09-189-627A-8
17	182	97.8	466	2	US-08-723-415B-2
18	182	97.8	466	4	US-09-189-627A-2
19	152	81.7	30	4	US-09-308-935-6
20	101	54.3	20	4	US-09-308-935-4
21	91	48.9	19	4	US-09-308-935-3
22	83	44.6	19	4	US-09-308-935-15
23	81	43.5	17	2	US-08-428-131-13
24	81	43.5	17	4	US-09-078-596-13
25	80	43.0	15	4	US-09-308-935-10
26	79	42.5	19	4	US-09-308-935-17
27	77	41.4	19	4	US-09-308-935-16

28	76	40.9	16	4	US-09-308-935-5
29	71.5	38.4	73	2	US-08-428-131-12
30	71.5	38.4	73	4	US-09-078-596-12
31	71.5	38.4	196	2	US-08-481-814A-9
32	71.5	38.4	437	1	US-08-136-119-4
33	71.5	38.4	437	1	US-07-892-721-2
34	71.5	38.4	437	2	US-08-723-415B-13
35	71.5	38.4	437	2	US-08-481-814A-6
36	71.5	38.4	437	2	US-08-482-174-2
37	71.5	38.4	437	3	US-08-801-092-1
38	71.5	38.4	437	4	US-09-189-627A-13
39	71.5	38.4	476	2	US-08-139-937-14
40	71.5	38.4	476	5	PCT-0593-11310-14
41	69.5	37.4	437	1	US-08-136-119-2
42	69.5	37.4	437	2	US-08-481-814A-7
43	69	37.1	14	4	US-09-308-935-11
44	65.5	35.2	413	2	US-08-481-814A-8
45	65.5	35.2	413	3	US-08-836-582-2

ALIGNMENTS

RESULT 1 *Surigial shot*
US-09-308-935-1

; Sequence 1, Application US/09308935
; Patent No. 6268334
; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas B
; APPLICANT: Bandara, Laseantha R
; TITLE OF INVENTION: Peptide antagonists of DP transcription factors
; FILE REFERENCE: 620-67
; CURRENT APPLICATION NUMBER: US/09/308.935
; EARLIER FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: PCT/GB97/03506
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: GB 9626589.7
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 1
; LENGTH: 37
; TYPE: PPT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-308-935-1

Query Match 100.0% Score 186; DB 4; Length 37;
Best Local Similarity 100.0%; Pred. No. 1.3e-21;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 KNIRRRVTDALVLMANNISSEKKEIKWIGLPTNSA 37
Db 1 KNIRRRVTDALVLMANNISSEKKEIKWIGLPTNSA 37

RESULT 2 *claims on A*
US-08-428-131-11
; Sequence 11, Application US/08428131
; Patent No. 5863757

; GENERAL INFORMATION:
; APPLICANT: La Thangue, Nicholas Barrie
; TITLE OF INVENTION: Transcription Factor DP-1
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon & Vanderhye
; STREET: 1100 No. 5863757th Glebe Road, 8th Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22201-4714

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
FILING DATE: 23-JUN-1995
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Arthur R. Crawford
REGISTRATION NUMBER: 25,327
REFERENCE/DOCKET NUMBER: 117-181
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
TELEFAX: (703) 816-4000
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 72 amino acids
TYPE: amino acid
STRANDEDNESS: single
MOLECULE TYPE: protein
US-08-428-131-11

Query Match 100.0%; Score 186; DB 2; Length 72;
Best Local Similarity 100.0%; Pred. No. 3e-21;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 KNIRRVYDALNVLAMNIISKEKEIKWIGLPTNSA 37
DB 4 KNIRRVYDALNVLAMNIISKEKEIKWIGLPTNSA 40

RESULT 3
US-09-078-596-11
Sequence 11, Application US/09078536
Patent No. 6150116
GENERAL INFORMATION:
APPLICANT: La Thangue, Nicholas Barrie
TITLE OF INVENTION: Transcription Factor DP-1
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: NIXON & VANDERHYE
STREET: 1100 No. 6150116th Glebe Road, 8th Floor
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 2201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
FILING DATE: 23-JUN-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/428.131
FILING DATE: 23-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Arthur R. Crawford
REGISTRATION NUMBER: 25,327
REFERENCE/DOCKET NUMBER: 117-181
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
TELEFAX: (703) 816-4000
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 72 amino acids
TYPE: amino acid

STRANDEDNESS: single
TOPOLOGY: linear.
MOLECULE TYPE: protein
US-09-078-596-11

Query Match 100.0%; Score 186; DB 4; Length 72;
Best Local Similarity 100.0%; Pred. No. 3e-21;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 KNIRRVYDALNVLAMNIISKEKEIKWIGLPTNSA 37
DB 4 KNIRRVYDALNVLAMNIISKEKEIKWIGLPTNSA 40

RESULT 4
US-08-723-415B-10
Sequence 10, Application US/08723415B
Patent No. 5859199
GENERAL INFORMATION:
APPLICANT: Lathangue, Nicholas B.
APPLICANT: Gelaluna, Susana
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: NIXON & VANDERHYE P.C.
STREET: 1100 No. 5859199th Glebe Rd. 8th floor
CITY: Arlington
STATE: VA
COUNTRY: USA
ZIP: 2201-4741
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
FILING DATE: 30-SEP-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9610195.1
FILING DATE: 15-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Crawford, Arthur R.
REGISTRATION NUMBER: 25,327
REFERENCE/DOCKET NUMBER: 117-220
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-816-4000
TELEFAX: 703-816-4100
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 410 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-723-415B-10

Query Match 100.0%; Score 186; DB 2; Length 410;
Best Local Similarity 100.0%; Pred. No. 2.3e-20;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 KNIRRVYDALNVLAMNIISKEKEIKWIGLPTNSA 37
DB 163 KNIRRVYDALNVLAMNIISKEKEIKWIGLPTNSA 199

RESULT 5
US-08-723-415B-11
Sequence 11, Application US/08723415B

Patent No. 5859199
GENERAL INFORMATION:
APPLICANT: LaThangue, Nicholas B.
APPLICANT: deLaluna, Susana
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS
TITLE OF INVENTION: THEREOF
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: NIXON & VANDERHYE P.C.
STREET: 1100 No. 5859199th Glebe Rd. 8th floor
CITY: Arlington
STATE: VA
COUNTRY: USA
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/723,415B
FILING DATE: 30-SEP-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9610195.1
FILING DATE: 15-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Crawford, Arthur R.
REGISTRATION NUMBER: 25,327
REFERENCE/DOCKET NUMBER: 117-220
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-816-4000
TELEFAX: 703-816-4100
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 410 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-723-415B-11

Query Match 100.0%; Score 186; DB 2; Length 410;
Best Local Similarity 100.0%; Pred. No. 2.3e-20;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 KNIRRVYDALVLMANNIISKKEIKWIGLPTNSA 37
|||||
Db 163 KNIRRVYDALVLMANNIISKKEIKWIGLPTNSA 199

RESULT 6
US-08-428-131-2
Sequence 2, Application US/08428131
Patent No. 5863737
GENERAL INFORMATION:
APPLICANT: LaThangue, Nicholas Barrie
TITLE OF INVENTION: Transcription Factor DP-1
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: NIXON & VANDERHYE
STREET: 1100 No. 5863737th Glebe Road, 8th Floor
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/428,131
FILING DATE: 23-JUN-1995
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Arthur R. Crawford
REGISTRATION NUMBER: 25,327
REFERENCE/DOCKET NUMBER: 117-181
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
TELEFAX: (703) 816-4100
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 410 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-428-131-2

Query Match 100.0%; Score 186; DB 2; Length 410;
Best Local Similarity 100.0%; Pred. No. 2.3e-20;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 KNIRRVYDALVLMANNIISKKEIKWIGLPTNSA 37
|||||
Db 163 KNIRRVYDALVLMANNIISKKEIKWIGLPTNSA 199

RESULT 7
US-08-602-846-2
Sequence 2, Application US/08602846
Patent No. 5871901
GENERAL INFORMATION:
APPLICANT: LaThangue, Nicholas B
TITLE OF INVENTION: ASSAY FOR INHIBITORS OF DP-1 AND OTHER DP
TITLE OF INVENTION: PROTEINS.
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Nixon & Vanderhye PC
STREET: 8th Floor, 1100 No. 5871901th Glebe Road
CITY: Arlington
STATE: Virginia
COUNTRY: USA
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/602,846
FILING DATE: 26-FEB-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: CRAWFORD, ARTHUR R.
REGISTRATION NUMBER: 25,327
REFERENCE/DOCKET NUMBER: 520-12
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
TELEFAX: (703) 816-4100
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 410 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-602-846-2

Query Match 100.0%; Score 186; DB 2; Length 410;
Best Local Similarity 100.0%; Pred. No. 2.3e-20;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

APPLICATION NUMBER: US/08/723,415B
FILING DATE: 30-SEP-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: GB 9610195.1
FILING DATE: 15-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Crawford, Arthur R.
REGISTRATION NUMBER: 25,327
REFERENCE/DOCKET NUMBER: 117-220
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-816-4000
TELEFAX: 703-816-4100
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 369 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-723-415B-4

Query Match 97.88; Score 182; DB 2; Length 369;
Best Local Similarity 97.38; Pred. No. 8.4e-20;
Matches 36; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 KNIRRVYDALVLAAMNIISKEKEIKWGLPTNSA 37
:|||||
DB 101 ENIRRVYDALVLAAMNIISKEKEIKWGLPTNSA 137

RESULT 12

US-09-189-627A-4
Sequence 6, Application US/09189627A
Patent No. 6159691
GENERAL INFORMATION:
APPLICANT: La Thangue, Nicholas
APPLICANT: de la Luna, Susana
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF
FILE REFERENCE: 620-54
CURRENT APPLICATION NUMBER: US/09/189,627A
PRIOR FILING DATE: 1998-11-10
PRIOR APPLICATION NUMBER: 08/723,415
PRIOR FILING DATE: 1996-09-30
PRIOR APPLICATION NUMBER: GB 9610195
PRIOR FILING DATE: 1996-05-15
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4
LENGTH: 369
TYPE: PRT
ORGANISM: mouse
US-09-189-627A-4

Query Match 97.88; Score 182; DB 4; Length 369;
Best Local Similarity 97.38; Pred. No. 8.4e-20;
Matches 36; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 KNIRRVYDALVLAAMNIISKEKEIKWGLPTNSA 37
:|||||
DB 101 ENIRRVYDALVLAAMNIISKEKEIKWGLPTNSA 137

RESULT 13

US-08-723-415B-6
Sequence 6, Application US/08723415B
Patent No. 5839199
GENERAL INFORMATION:
APPLICANT: La Thangue, Nicholas B.
APPLICANT: de la Luna, Susana
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF

NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: NIXON & VANDERHYTE P.C.
STREET: 1100 NO. 5839199th Giebe Rd. 8th floor
CITY: Arlington
STATE: VA
COUNTRY: USA
ZIP: 22201-4741
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/723,415B
FILING DATE: 30-SEP-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9610195.1
FILING DATE: 15-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Crawford, Arthur R.
REGISTRATION NUMBER: 25,327
REFERENCE/DOCKET NUMBER: 117-220
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-816-4000
TELEFAX: 703-816-4100
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 170 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-723-415B-6

Query Match 97.88; Score 182; DB 2; Length 370;
Best Local Similarity 97.38; Pred. No. 8.4e-20;
Matches 36; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 KNIRRVYDALVLAAMNIISKEKEIKWGLPTNSA 37
:|||||
DB 102 ENIRRVYDALVLAAMNIISKEKEIKWGLPTNSA 138

RESULT 14

US-09-189-627A-6
Sequence 6, Application US/09189627A
Patent No. 6159691
GENERAL INFORMATION:
APPLICANT: La Thangue, Nicholas
APPLICANT: de la Luna, Susana
TITLE OF INVENTION: TRANSCRIPTION FACTOR DP-3 AND ISOFORMS THEREOF
FILE REFERENCE: 620-54
CURRENT APPLICATION NUMBER: US/09/189,627A
PRIOR FILING DATE: 1998-11-10
PRIOR APPLICATION NUMBER: 08/723,415
PRIOR FILING DATE: 1996-09-30
PRIOR APPLICATION NUMBER: GB 9610195
PRIOR FILING DATE: 1996-05-15
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 6
LENGTH: 370
TYPE: PRT
ORGANISM: mouse
US-09-189-627A-6

Query Match 97.88; Score 182; DB 4; Length 370;
Best Local Similarity 97.38; Pred. No. 8.4e-20;
Matches 36; Conservative 1; Mismatches 0; Indels 0; Gaps 0;